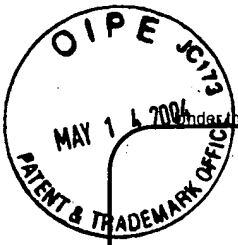


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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/811,090	
	Filing Date	03/26/2004	
	First Named Inventor	WELLINGHOFF	
	Art Unit	Not Yet Assigned	
	Examiner Name	Not Yet Assigned	
Total Number of Pages in This Submission	9+	Attorney Docket Number	SwRI-2835-11

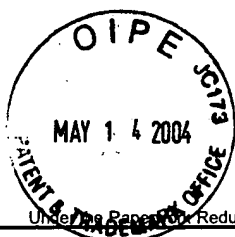
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Application Number	10/811,090
Filing Date	03-26-04
First Named Inventor	WELLINGHOFF
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	SWRI-2835-11

Sheet 1 of 6

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- RE32073	01-28-1986	RANDKLEV	
		US- 4215033	07-29-1980	BOWEN	
		US- 4539048	09-03-1985	COHEN	
		US- 4588756	05-13-1986	BOWEN	
		US- 4623738	11-18-1986	SUGERMAN	
		US- 4659751	04-21-1987	BOWEN	
		US- 4663147	05-05-1987	DEPRINCE	
		US- 4753652	06-28-1988	LANGER	
		US- 4964911	10-23-1990	IBSEN	
		US- 4978640	12-18-1990	KELLY	
		US- 5024850	06-18-1991	BROER	
		US- 5030608	07-09-1991	SCHUBERT	
		US- 5057018	10-15-1991	BOWEN	
		US- 5064877	11-12-1991	NASS	
		US- 5073294	12-17-1991	SHANNON	
		US- 5202053	04-13-1993	SHANNON	
		US- 5276068	01-04-1994	WAKNINE	
		US- 5308886	05-03-1994	MASUHARA	
		US- 5328947	07-12-1994	TAGUCHI	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		CA 2181507	01-19-1997	IVOCLAR AG		
		DE 10016524 A1	10-04-2001	BASF AG		
		EP 0159887 A2	10-30-1985	MINNESOTA MININ		
		EP 0754675 A2	01-22-1997	IVOCLAR AG		
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Filing Date	03-26-04
First Named Inventor	WELLINGHOFF
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
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Sheet 5 of 6

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		DEWAR, et al., Factors influencing the Stabilities of Nematic Liquid Crystals, J. Am. Chem. Soc., 1975, pp. 6658-6666, 97:23.	
		ELLSWORTH, et al., Mutually interpenetrating inorganic-organic networks. New Routes into nonshrinking sol-gel composite materials, J. Am. Chem. Soc., 1991, 113, pp. 2756-2758	
		GALLI, et al., Thermotropic Poly(ester-B-sulfide)s. A new polymer series containing the p-phenylene di(p-oxybenzoate) unit, Polymer Bulletin 21,1989, pp. 563-569.	
		HIKMET, et al., Effect of the orientation of the ester bonds on the properties of three isomeric liquid crystal diacrylates before and after polymerization, Macromolecules, 1995, pp. 3313-3327, 28.	
		LANDRY, et al., In situ polymerization of tetraethoxysilane in poly (methyl methacrylate): morphology and dynamic mechanical properties, Polymer, 1992, pp. 1486-1495, Vol. 33, No. 7.	
		LEE, et al., Phase behavior of liquid crystalline polymer/model compound mixtures: theory and experiment, Macromolecules 1994, 3955-3962, 27.	
		NODE, et al., Hard acid and soft nucleophile system. 2.1 Demethylation of methyl ethers of alcohol and phenol with an aluminum halide-thiol system, J. Org. Chem., 1980, pp. 4275-4277, 45.	
		RITTNER, Nanostructured materials: A technical-market analysis, Proceedings of The First BCC Conference on Fine, Ultrafine, and Nano Particles, 1998, Page 1, Ch. 1, Business Communications Co., Inc., USA.	
		SCHMIDT, et al., Organically modified ceramics and their applications, J. Non-Cryst. Sol. 1990, pp. 428-435, 121.	
		SCHMITT, et al., New Liquid Crystalline di-and tetra- acrylates for network formation, Liquid Crystals, 2001, pp. 1611-1621, Vol 28, No. 11.	

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Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
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		WEDLER, et al., Vittrification in low-molecular-weight mesogenic compounds, J. Mater. Chem. 1991, pp. 347-356, 1(3).	
		WEI, et al., Synthesis of New Organic-inorganic hybrid glasses, Chemistry of Materials, 1990, pp. 337-339, Vol. 2, No. 4.	
		WELLINGHOFF, et al., Tantalum Oxide-Polymer composites, The Int'l Symposium, Hyatt O'Hare Regency, Chicago, IL, USA, 1993, pp. 141-154.	

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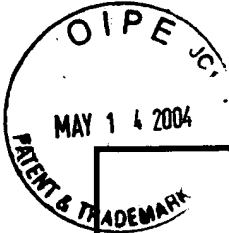
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Serial No.:	<u>10/811,090</u>	Examiner:	<u>Not Yet Assigned</u>
Filing Date:	<u>03/26/2004</u>	Docket No.:	<u>SwRI-2835-11</u>
Title:	<u>Novel Mesogens</u>		



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Filing Date	03-26-04
First Named Inventor	WELLINGHOFF
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	SWRI-2835-11

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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5334625	08-02-1994	IBSEN	
		US- 5372796	12-13-1994	WELLINGHOFF	
		US- 5472797	12-05-1995	YAJIMA	
		US- 5486548	01-23-1996	PODSZUN	
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		US- 5720805	11-10-1998	SIEMENSMEYER	
		US- 5730601	03-24-1998	BOWMAN	
		US- 5804097	09-08-1998	DELAVIER	
		US- 5833880	11-10-1998	SIEMENSMEYER	
		US- 5834532	11-10-1998	YAMAMOTO	
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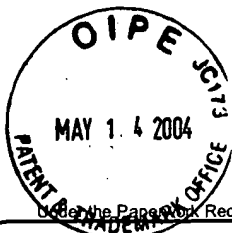
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		JP 05178794	07-20-1993	TOKUYAMA SOTATS		
		WO 79/01040	11-29-1979	EASTMAN KODAK C		
		WO 92/16183	10-01-1992	THERA PATENT GM		
		WO 93/22397	11-11-1993	MERCK PATENT GM		
		WO 94/16129*	07-21-1994	PPG INDUSTRIES		
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Art Unit	Not Yet Assigned
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		US- 5871665	02-16-1999	COATES	
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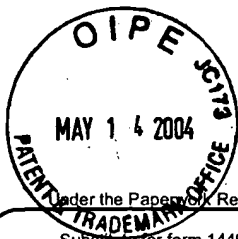
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		WO 97/14674	04-24-1997	DENTSPLY INTERN		
		WO 98/13008	04-02-1998	SOUTHWEST RESEA		
		WO 98/23580	06-04-1998	BASF AKTIENGES		
		WO 99/17716	04-15-1999	DENTSPLY INTERN		
		EP 0 869 112 A1	03-17-1998	Daimler Benz		
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Examiner Name	Not Yet Assigned
Attorney Docket Number	SWRI-2835-11

Sheet 4 of 6

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 6291035	09-18-2001	VERRALL	
		US- 6335462	01-01-2002	ETZBACH	
		US- 6414092	07-02-2002	COATES	
		US- 6649230	11-18-2003	SEIBERLE	
		US- 6258974 B1	07-10-2001	Wellinghoff et al	
		US- 5998499	12-07-1999	Klee	
		US- 5622648	04-22-1997	Parri et al.	
		US- 5401528	3-28-1995	Schmidt	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP 0722992	07-24-1996	DEGUSSA AG		
		WO 02/070543 A2	09-12-2002	UNIVERSITY OF TEXAS		

Examiner
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Wellinghoff § Group Art Unit: Not Yet Assigned
Serial No.: 10/811,090 § Examiner: Not Yet Assigned
Filed: 03/26/04 § Atty. Docket No.: SwRI-2835-11
Title: Novel Mesogens

MAIL STOP AMENDMENT

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INFORMATION DISCLOSURE STATEMENT

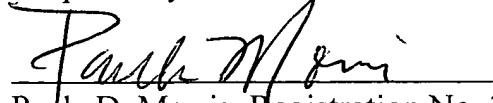
Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the references listed on the attached Forms PTO/SB/08A and PTO/SB/08B be considered by the Examiner and made of record.

This Information Disclosure Statement is not to be considered as a representation that a search has been made or that no other material information as defined under 37 C.F.R. § 1.56 exists.

The commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. **50-0997 (SWRI-2835-11)**, maintained by Paula D. Morris & Associates, P.C. d/b/a The Morris Law Firm, P.C..

Respectfully submitted,



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